

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Lucilla STEINAA et al.

Patent No.: 7,005,498B1

Issued: February 28, 2006

For: METHODS FOR THERAPEUTIC
VACCINATION

**REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected.

In the Specification:

At Column 4, line 10, "IFN-(," should read --IFN- γ --.

At Column 14, Line 29, "1-0.2H 0.3H 0.4=0.976" should read $-1 - 0.2 \times 0.3 \times 0.4 = 0.976$ --.

At Column 14, Line 55, " N_j " should read -- ϕ_j --.

At Column 14, Line 64, " N_1 , N_2 , and N_3 " should read --" ϕ_1 , ϕ_2 , and ϕ_3 --.

At Column 14, Line 67, " B_i " should read -- π_i --.

At Column 15, Line 7, “ A_j ” should read $--v_j--$.

At Column 15, Line 11, “ $1-B_i$ ” should read $--1-\pi_i--$.

At Column 15, Line 12, “ $f_{residual_i}=(p_i-B_i)/(1-B_i)$ ” should read $--f_{residual_i}=(p_i-\pi_i)/(1-\pi_i)--$.

At Column 17, Line 1, “FC(receptor)” should read $--FC\gamma$ receptor--.

At Column 17, Line 1, “FC(RI)” should read $--FC\gamma RI--$.

At Column 17, Line 26, “interferon ((IFN-))” should read $--interferon\ \gamma\ (IFN-\gamma)--$.

At Column 18, Line 33, “integer $\exists\ 3$ ” should read $--integer\ \geq\ 3--$.

At Column 18, Line 33, “integers $\exists\ 0$ ” should read $--integers\ \geq\ 0--$.

At Column 18, Line 34, “is $\exists\ 1$ ” should read $--is\ \geq\ 1--$.

At Column 18, Line 36, “integers $\exists\ 0$ ” should read $--integers\ \geq\ 0--$.

At Column 18, Line 36, “is $\exists\ 1$ ” should read $--is\ \geq\ 1--$.

At Column 19, Line 28, “integer $\exists\ 2$ ” should read $--integer\ \geq\ 2--$.

At Column 21, Line 27, “0.1:g to 2000:g” should read $--0.1\ \mu g\ to\ 2000\mu g--$.

At Column 21, Line 29, “0.5:g to 1000:g” should read $--0.5\mu g\ to\ 1000\mu g--$.

At Column 21, Line 30, “1:g to 500:g” should read $--1\mu g\ to\ 500\mu g--$.

At Column 21, Line 31, “10:g to 100:g” should read $--10\mu g\ to\ 100\mu g--$.

At Column 21, Line 66, “(-inulin)” should read $--\gamma\text{-inulin}--$.

At Column 22, Line 24, “(-inulin” should read -- γ -inulin--.

At Column 22, Line 59, “Fc(receptors” should read --Fc γ receptors--.

At Column 22, Line 61, “anti-Fc(RI” should read --anti-Fc γ RI--.

At Column 28, Line 18, “ \forall -fetoprotein” should read -- α -fetoprotein--.

At Column 28, Line 35, “ \exists -catenin” should read -- β -catenin--.

At Column 34, Line 5, “TGF- \forall ” should read --TGF- α --.

At Column 34, Line 8, “TGF- \exists ” should read --TGF- β --.

At Column 34, Line 13, “Thymosin \exists 15” should read --Thymosin β 15--.

At Column 34, Line 16, “TNF- \forall ” should read --TNF- α --.

At Column 35, Line 58, “ \forall -linked” should read -- α -linked--.

At Column 37, Line 9, “hCG \exists ” should read --hCG β --.

At Column 37, Line 22, “common \forall -chain. The \exists -chain” should read --common α -chain.
The β -chain--.

At Column 37, Line 23, “ \exists -chain” should read -- β -chain--.

At Column 37, Line 24, “hCG \exists ” should read --hCG β --.

At Column 37, Line 34, “TGF \exists ” should read --TGF β --.

At Column 37, Line 53, “hCG \exists ” should read --hCG β --.

At Column 37, Line 60, “hCG Ξ ” should read --hCG β --.

At Column 37, Line 62, “hCG Ξ ” should read --hCG β --.

At Column 37, Line 67, “hCG Ξ ” should read --hCG β --.

At Column 38, Line 5, “hCG Ξ ” should read --hCG β --.

At Column 38, Line 18, “hCG Ξ ” should read --hCG β --.

At Column 38, Line 20, “hCG Ξ ” should read --hCG β --.

At Column 38, Line 25, “hCG Ξ ” should read --hCG β --.

At Column 40, Line 12, “Fc(RI)” should read --Fc γ RI--.

At Column 48, Line 2, “5’63’” should read --5’ \rightarrow 3’--.

At Column 52, Line 2, “hPSM $_$ (or hPSM’ $_$ ” should read --hPSM $_.$ (or hPSM’ $_.$ --.

At Column 52, Line 28, “hPSMI $_$ and hPSMII $_$ ” should read --hPSMI $_.$ and hPSMII $_.$ --.

At Column 52, Line 39, “PROS $_$ ” should read --PROS $_.$ --.

At Column 52, Line 44, “HIS-PROS $_$ ” should read --HIS-PROS $_.$ --.

At Column 52, Line 64, “(hPSMI)0.0)” should read --(hPSMI \div 0.0)--.

At Column 53, Line 1, “hPSM)0.0” should read --hPSM \div 0.0--.

At Column 53, Line 9, “hPSM’0.3” should read --hPSM’10.3--.

At Column 53, Line 33, “hPSM)cyt0.0” should read --hPSM÷cyt0.0--.

At Column 53, Line 41, “hPSM)0.0” should read --hPSM÷0.0--.

At Column 54, Line 24, “pPICZ∇A” should read --pPICZαA--.

At Column 54, Line 25, “pGAPZ∇A” should read --pGAPZαA--.

At Column 54, Line 27, “∇-factor” should read --α-factor--.

At Column 54, Line 30, “hPSM)0.0” should read --hPSM÷0.0--.

At Column 54, Line 41, “hPSM)0.0” should read --hPSM÷0.0--.

At Column 56, Lines 45-66, “)” should read --÷--.

At Column 58, Line 24, “these)cyt” should read --these ÷cyt gene--.

At Column 58, Line 32, “pPICZ∇A and pGAPZ∇A” should read --pPICZαA and pGAPZαA--.

At Column 58, Line 33, “hPSM)0.0” should read --hPSM÷0.0--.

At Column 58, Line 52, “TNF∇” should read --TNFα--.

At Column 58, Line 63, “40:g” should read --40μg--.

At Column 59, Lines 19-20, “hPSM)0.0” should read --hPSM÷0.0--.

At Column 60, Line 15, “PROS)0.0” should read --PROS÷0.0--.

At Column 62, Lines 41-42, “(3-galactosidase)” should read --β-galactosidase--.

At Column 62, Line 53, “(\exists -galactosidase)” should read -- β -galactosidase--.

At Column 63, Line 6, “)” should read --÷--.

At Column 63, Line 7, “)” should read --÷--.

At Column 63, Line 61, “pcDNA3.1())” should read --pcDNA3.1(÷)--.

At Column 66, Line 23, “ \forall -helix and \exists -sheet” should read -- α -helix and β -sheet--.

At Column 66, Line 41, “ \forall -helix or \exists -sheet” should read -- α -helix or β -sheet--.

At Column 72, Line 59, “100:g” should read --100 μ g--.

At Column 72, Line 60, “100:l volume+100:l” should read --100 μ l volume+100 μ l--.

At Column 72, Line 61, “200:l” should read --200 μ l--.

At Column 73, Line 4, “50-100: l” should read --50-100 μ l--.

At Column 73, Line 6, “10-20: l” should read --10-20 μ l--.

These errors were not in the International Application WO00/20027 as filed by the applicant and as transmitted to the U.S. Receiving Office in this U.S. National Stage application; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: December 18, 2006

Respectfully submitted,

By 

Leonard R. Svensson

Registration No.: 30,330

BIRCH, STEWART, KOLASCH & BIRCH, LLP

12770 High Bluff Drive

Suite 260

San Diego, California 92130

(858) 792-8855

Attorney for Applicant

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 4, line 10, "IFN-(," should read --IFN- γ --.

At Column 14, Line 29, "1-0.2H 0.3H 0.4=0.976" should read $-1 - 0.2 \times 0.3 \times 0.4 = 0.976$ --.

At Column 14, Line 55, " N_j " should read -- ϕ_j --.

At Column 14, Line 64, " $N_1, N_2,$ and N_3 " should read --" $\phi_1, \phi_2,$ and ϕ_3 --.

At Column 14, Line 67, " B_i " should read -- π_i --.

At Column 15, Line 7, " A_j " should read -- v_j --.

At Column 15, Line 11, " $1-B_i$ " should read -- $1-\pi_i$ --.

At Column 15, Line 12, " $f_{residual_i}=(p_i-B_i)/(1-B_i)$ " should read -- $f_{residual_i}=(p_i-\pi_i)/(1-\pi_i)$ --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 1
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 2 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

At Column 17, Line 1, "FC(receptor)" should read --FC γ receptor--.

At Column 17, Line 1, "FC(RI)" should read --FC γ RI--.

At Column 17, Line 26, "interferon ((IFN-))" should read --interferon γ (IFN- γ)--.

At Column 18, Line 33, "integer \exists 3" should read --integer \geq 3--.

At Column 18, Line 33, "integers \exists 0" should read --integers \geq 0--.

At Column 18, Line 34, "is \exists 1" should read --is \geq 1--.

At Column 18, Line 36, "integers \exists 0" should read --integers \geq 0--.

At Column 18, Line 36, "is \exists 1" should read --is \geq 1--.

At Column 19, Line 28, "integer \exists 2" should read --integer \geq 2--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 2
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 3 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 21, Line 27, "0.1:g to 2000:g" should read --0.1 µg to 2000µg--.

At Column 21, Line 29, "0.5:g to 1000:g" should read --0.5µg to 1000µg--.

At Column 21, Line 30, "1:g to 500:g" should read --1µg to 500µg--.

At Column 21, Line 31, "10:g to 100:g" should read --10µg to 100µg--.

At Column 21, Line 66, "(-inulin" should read --γ-inulin--.

At Column 22, Line 24, "(-inulin" should read --γ-inulin--.

At Column 22, Line 59, "Fc(receptors" should read --Fcγ receptors--.

At Column 22, Line 61, "anti-Fc(RI" should read --anti-FcγRI--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 3
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 4 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 28, Line 18, "∇-fetoprotein" should read --α-fetoprotein--.

At Column 28, Line 35, "∃-catenin" should read --β-catenin--.

At Column 34, Line 5, "TGF-∇" should read --TGF-α--.

At Column 34, Line 8, "TGF-∃" should read --TGF-β--.

At Column 34, Line 13, "Thymosin ∃ 15" should read --Thymosin β 15--.

At Column 34, Line 16, "TNF-∇" should read --TNF-α--.

At Column 35, Line 58, "∇-linked" should read --α-linked--.

At Column 37, Line 9, "hCG∃" should read --hCGβ--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 4
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 5 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 37, Line 22, "common \forall -chain. The \exists -chain" should read --common α -chain. The β -chain--.

At Column 37, Line 23, " \exists -chain" should read -- β -chain--.

At Column 37, Line 24, "hCG \exists " should read --hCG β --.

At Column 37, Line 34, "TGF \exists " should read --TGF β --.

At Column 37, Line 53, "hCG \exists " should read --hCG β --.

At Column 37, Line 60, "hCG \exists " should read --hCG β --.

At Column 37, Line 62, "hCG \exists " should read --hCG β --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 5
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 6 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 37, Line 67, "hCG Ξ " should read --hCG β --.

At Column 38, Line 5, "hCG Ξ " should read --hCG β --.

At Column 38, Line 18, "hCG Ξ " should read --hCG β --.

At Column 38, Line 20, "hCG Ξ " should read --hCG β --.

At Column 38, Line 25, "hCG Ξ " should read --hCG β --.

At Column 40, Line 12, "Fc(RI)" should read --Fc γ RI--.

At Column 48, Line 2, "5'63'" should read --5' \rightarrow 3'--.

At Column 52, Line 2, "hPSM_ (or hPSM' _" should read --hPSM_ _ (or hPSM' _ _--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 6
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 7 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 52, Line 28, "hPSMI_ and hPSMII_" should read --hPSMI_. and hPSMII_.--.

At Column 52, Line 39, "PROS_" should read --PROS_.--.

At Column 52, Line 44, "HIS-PROS_" should read --HIS-PROS_.--.

At Column 52, Line 64, "(hPSMI)0.0)" should read --(hPSMI÷0.0)--.

At Column 53, Line 1, "hPSM)0.0" should read --hPSM÷0.0--.

At Column 53, Line 9, "hPSM'0.3" should read --hPSM'10.3--.

At Column 53, Line 33, "hPSM)cyt0.0" should read --hPSM÷cyt0.0--.

At Column 53, Line 41, "hPSM)0.0" should read --hPSM÷0.0--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 7
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 8 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 54, Line 24, "pPICZ \forall A" should read --pPICZ α A--.

At Column 54, Line 25, "pGAPZ \forall A" should read --pGAPZ α A--.

At Column 54, Line 27, " \forall -factor" should read -- α -factor--.

At Column 54, Line 30, "hPSM)0.0" should read --hPSM \div 0.0--.

At Column 54, Line 41, "hPSM)0.0" should read --hPSM \div 0.0--.

At Column 56, Lines 45-66, "(" should read -- \div --.

At Column 58, Line 24, "these)cyt" should read --these \div cyt gene--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 8
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 9 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 58, Line 32, "pPICZ \forall A and pGAPZ \forall A" should read --pPICZ α A and pGAPZ α A--.

At Column 58, Line 33, "hPSM)0.0" should read --hPSM \div 0.0--.

At Column 58, Line 52, "TNF \forall " should read --TNF α --.

At Column 58, Line 63, "40:g" should read --40 μ g--.

At Column 59, Lines 19-20, "hPSM)0.0" should read --hPSM \div 0.0--.

At Column 60, Line 15, "PROS)0.0" should read --PROS \div 0.0--.

At Column 62, Lines 41-42, "(3-galactosidase)" should read -- β -galactosidase--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 9
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 10 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 62, Line 53, “(∃-galactosidase)” should read --β-galactosidase--.

At Column 63, Line 6, “)” should read --÷--.

At Column 63, Line 7, “)” should read --÷--.

At Column 63, Line 61, “pcDNA3.1())” should read --pcDNA3.1(÷)--.

At Column 66, Line 23, “∇-helix and ∃-sheet” should read --α-helix and β-sheet--.

At Column 66, Line 41, “∇-helix or ∃-sheet” should read --α-helix or β-sheet--.

At Column 72, Line 59, “100:g” should read --100μg--.

At Column 72, Line 60, “100:l volume+100:l” should read --100μl volume+100μl--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 10
12770 High Bluff Drive
Suite 260
San Diego, California 92130

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 11 of 11

PATENT NO. : 7,005,498B1
APPLICATION NO. : 09/806,703
ISSUE DATE : February 28, 2006
INVENTOR(S) : Lucilla STEINAA et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 72, Line 61, "200:l" should read --200μl--.

At Column 73, Line 4, "50-100: l" should read --50-100μl--.

At Column 73, Line 6, "10-20: l" should read --10-20μl--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Leonard R. Svensson
BIRCH, STEWART, KOLASCH & BIRCH, LLP 11
12770 High Bluff Drive
Suite 260
San Diego, California 92130